EAST AFRICAN

METEOROLOGICAL DEPARTMENT

SUMMARY OF METEOROLOGICAL OBSERVATIONS

FOR

1949.

PART IV - ZANZIBAR.

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Chukwani
Kizimbani
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SUMMARY OF METEOROLOGICAL OBSERVATIONS AT CHUKWANI, ZANZIBAR, 1949.

Lat.: 6° 15'S Long.: 39° 13'E Alt.: 61 feet Standard Time 3h 00m East Reference Number 96.39/03.

Month	Atmospheric Pressure @		Temperature				Vapour Pressure		Saturation Deficit		Relative Humidity		Total Cloud Amt.		Number of occasions at 8.30h of Cloud Amounts					Rainfall				Number of Days of	
	h	h	Dry Bulb		Dew Point		h	h	h	h	h	h	h	h						Total		Max.Fall in 24hrs.		Rain	Thun-der.
	8.30	14.30	8.30	14.30	8.30	14.30	8.30	14.30	8.30	14.30	8.30	14.30	8.30	14.30	0	1-2	3-5	6-7	8	mm.	ins.	ins.	Date		
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%													
January	29.840	29.760	80.9	86.8	75.7	77.1	.898	.942	.168	.346	84	73	5.3	5.6	0	3	16	2	10	52.6	2.07	0.64	14	13	3
February	29.816	29.719	81.5	89.1	75.9	76.9	.904	.933	.183	.452	83	67	5.3	5.3	0	3	12	9	4	12.4	0.49	0.38	12	4	5
March	29.802	29.719	82.4	89.2	76.0	77.0	.907	.936	.210	.452	81	67	6.5	5.0	0	3	15	11	2	54.6	2.15	0.54	28	12	6
April	29.861	29.781	80.2	86.7	76.5	76.5	.921	.921	.118	.363	89	72	6.4	5.8	0	1	5	16	8	122.4	4.82	1.22	11	17	13
May	29.905	29.828	78.8	84.7	75.5	74.9	.892	.877	.103	.331	90	73	5.1	4.7	0	3	16	3	9	106.9	4.21	1.23	6	15	4
June	29.988	29.908	76.7	83.3	72.3	70.8	.800	.762	.127	.390	86	66	5.3	4.7	1	3	10	7	9	33.0	1.30	0.51	23	7	0
July	29.991	29.920	75.4	82.1	71.7	70.6	.786	.756	.103	.351	89	69	6.3	6.0	0	0	7	12	12	108.2	4.26	2.80	10	9	0
August	29.979	29.899	75.4	82.8	71.4	69.8	.777	.735	.112	.399	88	65	6.3	5.4	0	1	7	13	10	11.2	0.44	0.10	16	13	0
September	29.988	29.893	77.1	84.3	72.0	70.7	.791	.759	.148	.428	84	64	4.9	4.2	0	1	17	9	3	22.9	0.90	0.38	6	9	0
October	29.961	29.852	79.1	85.6	72.5	72.3	.806	.803	.198	.437	80	65	5.0	4.0	0	2	18	8	3	51.3	2.02	1.50	6	6	0
November	29.878	29.769	82.5	90.1	74.6	77.0	.865	.936	.257	.493	77	66	4.5	4.5	0	1	25	4	0	84.8	3.34	2.89	17	7	3
December	29.825	29.719	82.7	87.3	76.1	76.1	.910	.910	.219	.399	81	70	5.0	4.9	0	1	19	8	3	151.4	5.96	2.05	22	14	15
Year	29.903	29.814	79.4	86.0	74.2	74.1	.855	.856	.162	.403	84	68	5.5	5.0	1	22	167	102	73	811.7	31.96	2.89	Nov. 17	126	69

@ At station level: corrected for Temperature and to standard gravity.

Month	Frequency of Wind Direction at 8.30h									Frequency of Wind Force at 8.30			Mean Wind Velocity		Extremes of Temperature of the Air.									Frequency of Visibility at 8.30		
	N	NE	E	SE	S	SW	W	NW	Calm	1-3	4-7	>7	h 8.30	h 14.30	Max.	Date	Min.	Date	Mean Max.	Mean Min.	½ Max + Min	Range Max.	Range Min.	Range Mean	Fog	Mist	Good Vis.
													m.p.h.	m.p.h.	F.		F.										
January	8	16	0	0	0	0	0	1	6	20	5	0	8	9	94.0	19,26	73.0	2	89.3	75.1	82.2	19.2	3.0	14.3	0	0	30
February	12	13	0	0	0	0	0	0	3	25	0	0	6	9	96.6	28	74.0	5	91.5	75.8	83.7	21.4	8.0	15.7	0	0	28
March	4	15	0	0	1	4	0	1	6	19	6	0	8	7	97.2	8	74.7	15	92.5	76.8	84.7	20.3	9.3	15.8	0	0	31
April	0	1	0	0	5	21	0	1	2	19	9	0	10	11	97.6	6	73.9	22	88.8	77.2	83.0	19.0	5.2	11.6	0	0	30
May	0	0	0	0	0	31	0	0	0	16	15	0	14	11	89.2	8	73.2	7	85.8	76.5	81.1	14.2	6.0	9.3	0	0	31
June	0	0	0	0	0	30	0	0	0	15	15	0	15	14	87.9	11	72.0	15,17	84.7	74.2	79.5	14.0	8.1	10.5	0	0	30
July	0	0	0	0	0	31	0	0	0	17	14	0	14	15	87.5	12	70.0	21	83.2	72.8	78.0	15.8	6.0	10.4	0	0	31
August	0	0	0	0	2	28	0	0	1	23	7	0	10	13	88.0	27	68.0	11	84.4	71.5	77.9	18.6	8.9	12.9	0	0	31
September	0	0	0	1	5	21	1	0	2	28	0	0	6	11	92.7	16	69.0	23	87.3	71.2	79.3	22.6	11.1	16.1	0	0	30
October	0	0	0	1	8	13	1	0	8	23	0	0	2	13	94.2	8	70.0	7	88.0	71.9	79.9	23.3	10.4	16.1	0	0	31
November	1	3	3	0	7	1	1	0	14	16	0	0	1	5	100.0	9	71.1	2	93.5	73.8	83.7	27.1	10.9	19.7	0	0	30
December	10	0	4	0	1	1	3	0	12	19	0	0	3	5	97.8	11	73.3	12	90.9	75.4	83.1	23.1	8.1	15.5	0	0	31
Year	35	48	7	2	29	181	6	3	54	240	71	0	8	10	100.0	Nov. 9	68.0	Aug. 11	88.3	74.3	81.3	27.1	3.0	14.0	0	0	364

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT KIZIMBANI, ZANZIBAR, 1949.

Lat.: 6°05'S Long.: 39°16'E Alt.: 220 ft. Standard Time 3h 00m East. Ref. No. 96.39/11

Month	Atmospheric Pressure @		Temperature				Vapour Pressure		Saturation Deficit		Relative Humidity		Total Cloud Amt.		Number of Occasions at 8.30h of Cloud Amounts					Rainfall				Number of Days of	
	h 8.30	h 14.30	Dry Bulb 8.30	Dry Bulb 14.30	Dew Point 8.30	Dew Point 14.30	h 8.30	h 14.30	h 8.30	h 14.30	h 8.30	h 14.30	h 8.30	h 14.30	0	1-3	4-6	7-9	10	Total mm	Total ins.	Max. Fall in 24hrs ins.	Date	Rain	Thunder.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%													
January	-	-	79.9	-	70.4	-	.848	-	.183	-	82	-	-	-	-	-	-	-	-	44.4	1.75	0.35	31	14	-
February	-	-	80.7	-	74.7	-	.868	-	.189	-	82	-	-	-	-	-	-	-	-	51.3	2.02	1.88	12	2	-
March	-	-	82.1	-	75.0	-	.877	-	.230	-	79	-	-	-	-	-	-	-	-	102.9	4.05	1.17	18	10	-
April	-	-	79.2	-	74.9	-	.874	-	.133	-	87	-	-	-	-	-	-	-	-	267.5	10.53	1.27	9	22	-
May	-	-	78.0	-	74.2	-	.853	-	.115	-	88	-	-	-	-	-	-	-	-	341.6	13.45	3.21	5	21	-
June	-	-	75.8	-	72.3	-	.800	-	.100	-	89	-	-	-	-	-	-	-	-	34.5	1.36	0.28	11	11	-
July	-	-	74.5	-	71.0	-	.768	-	.095	-	89	-	-	-	-	-	-	-	-	112.8	4.44	1.85	10	16	-
August	-	-	74.4	-	70.3	-	.750	-	.109	-	87	-	-	-	-	-	-	-	-	23.1	0.91	0.32	31	11	-
September	-	-	76.3	-	70.9	-	.765	-	.151	-	83	-	-	-	-	-	-	-	-	93.2	3.67	0.75	15	11	-
October	-	-	78.8	-	71.2	-	.771	-	.224	-	78	-	-	-	-	-	-	-	-	105.9	4.17	1.74	6	10	-
November	-	-	81.7	-	75.5	-	.824	-	.269	-	75	-	-	-	-	-	-	-	-	5.6	0.22	0.12	26	5	-
December	-	-	81.4	-	74.7	-	.868	-	.213	-	80	-	-	-	-	-	-	-	-	202.9	7.99	1.90	9	16	-
Year	-	-	78.6	-	72.9	-	.822	-	.167	-	83	-	-	-	-	-	-	-	-	1385.8	54.56	3.21	May 5	149	-

@ At Station level: corrected for Temporature and to standard gravity.

Month	Frequency of Wind Directions at 8.30h									Frequency of Wind Force at 8.30h			Mean Wind Velocity		Extremes of Temperature of the Air.							Frequency of Visibility at 8.30		
	N	NE	E	SE	S	SW	W	NW	Calm	1-3	4-7	>7	h 8.30	h 14.30	Max.	Date	Min.	Date	Mean Max.	Mean Min.	½ Max. + Min	Range Max.	Range Min.	Range Mean	Fog	Mist	Good Vis.
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.	F.			
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90.0	27	65.0	18,26	86.0	71.9	78.9	23.0	3.0	14.1	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91.0	28	70.0	6	87.8	72.9	80.3	19.0	6.5	14.9	-	-	-
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92.0	12	71.0	17	89.7	73.1	81.1	19.5	8.0	16.1	-	-	-
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91.5	6	71.0	27,28,30	86.5	73.3	79.9	19.5	8.0	13.1	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87.0	Often	69.5	26	85.0	72.9	78.9	15.1	7.0	12.1	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85.0	1,10,11	68.0	5,6,23	83.5	70.3	76.9	16.0	6.5	13.1	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85.0	5	65.0	30	82.1	69.1	75.6	18.0	7.8	13.0	-	-	-
August	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86.1	26	62.0	9	83.1	66.5	74.8	21.5	11.2	16.5	-	-	-
September	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86.0	23	64.0	1	82.9	66.5	74.7	22.0	10.5	16.5	-	-	-
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88.1	27	65.0	4	84.0	67.9	75.9	19.3	8.0	16.2	-	-	-
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91.1	26	67.0	2	88.1	70.7	79.4	21.1	6.0	17.3	-	-	-
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90.0	-	70.1	-	86.9	72.4	79.7	18.0	8.0	14.5	-	-	-
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92.0	March 12	62.0	August 9	85.4	70.6	78.0	23.0	3.0	14.8	-	-	-

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MKWAJUNI, ZANZIBAR, 1949.

Lat.: 5° 53'S Long.: 39° 17'E Alt.: 165 feet Standard Time 3h 00m East Ref. No. 95.39/11.

Month	Atmospheric Pressure @ h 8.30	Atmospheric Pressure @ h 14.30	Temperature Dry Bulb h 8.30	Temperature Dry Bulb h 14.30	Temperature Dew Point h 8.30	Temperature Dew Point h 14.30	Vapour Pressure h 8.30	Vapour Pressure h 14.30	Saturation Deficit h 8.30	Saturation Deficit h 14.30	Relative Humidity h 8.30	Relative Humidity h 14.30	Total Cloud Amt. h 8.30	Total Cloud Amt. h 14.30	Number of occasions at 8.30h of Cloud Amounts 0	1-2	3-5	6-7	8	Rainfall Total mm.	Rainfall Total ins.	Rainfall Max.Fall in 24hrs ins.	Rainfall Date	Number of Days of Rain	Number of Days of Thunder.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%													
January	-	-	81.0	-	73.6	-	.836	-	.233	-	78	-	-	-	-	-	-	-	-	37.3	1.47	0.59	30	7	-
February	-	-	82.9	-	74.0	-	.848	-	.289	-	75	-	-	-	-	-	-	-	-	1.5	0.06	0.04	10	2	-
March	-	-	83.4	-	73.7	-	.839	-	.316	-	73	-	-	-	-	-	-	-	-	24.4	0.96	0.48	28	5	-
April	-	-	80.6	-	74.5	-	.862	-	.106	-	82	-	-	-	-	-	-	-	-	207.3	8.16	1.42	29	20	-
May	-	-	79.3	-	74.3	-	.856	-	.154	-	85	-	-	-	-	-	-	-	-	217.9	8.58	1.51	4	19	-
June	-	-	76.0	-	71.1	-	.768	-	.139	-	85	-	-	-	-	-	-	-	-	62.2	2.45	0.96	14	12	-
July	-	-	74.9	-	70.2	-	.747	-	.127	-	86	-	-	-	-	-	-	-	-	109.0	4.29	1.34	13	17	-
August	-	-	75.4	-	70.3	-	.747	-	.142	-	84	-	-	-	-	-	-	-	-	55.4	2.18	0.50	11	14	-
September	-	-	77.7	-	69.9	-	.738	-	.222	-	77	-	-	-	-	-	-	-	-	69.1	2.72	0.52	6	12	-
October	-	-	79.9	-	69.7	-	.732	-	.298	-	71	-	-	-	-	-	-	-	-	3.3	0.13	0.08	6	2	-
November	-	-	82.0	-	71.5	-	.780	-	.325	-	71	-	-	-	-	-	-	-	-	18.8	0.74	0.55	16	4	-
December	-	-	82.8	-	71.7	-	.783	-	.348	-	69	-	-	-	-	-	-	-	-	109.0	4.29	1.47	8	12	-
Year	-	-	79.7	-	72.0	-	.795	-	.224	-	78	-	-	-	-	-	-	-	-	915.2	36.03	1.51	May 4	126	-

@ At station level: corrected for temperature and to standard gravity.

Month	Frequency of Wind Direction at 8.30h N	NE	E	SE	S	SW	W	NW	Calm	Frequency of Wind Force at 8.30h 1-3	4-7	>7	Mean Wind Velocity h 8.30	h 14.30	Extremes of Temperature of the Air. Max.	Date	Min.	Date	Mean Max.	Mean Min.	½ Max + Min	Range Max.	Range Min.	Range Mean	Frequency of Visibility at 8.30 Fog	Mist	Good Vis.
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.	F.			
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91.0	21	70.5	25	85.7	73.2	79.5	18.5	2.0	12.5	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92.0	4	71.0	1,22	88.7	73.7	81.2	19.0	12.0	15.0	-	-	-
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92.5	31	70.0	29	89.9	72.7	81.3	20.0	13.0	17.2	-	-	-
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91.5	4	71.0	28,29	86.9	73.6	80.3	18.5	9.0	13.3	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89.0	26	66.0	31	84.3	71.8	78.1	17.5	7.5	12.6	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88.5	9	66.4	17	83.5	69.5	76.5	25.5	11.2	14.0	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85.0	5	63.4	30	81.5	68.4	74.9	17.5	8.0	13.1	-	-	-
August	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83.6	24	62.5	27	81.2	66.5	73.9	20.0	10.0	14.7	-	-	-
September	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84.0	6,10,23	62.0	23, 30	81.9	66.0	73.9	22.0	7.2	15.9	-	-	-
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88.0	often	63.0	1, 5	85.5	66.5	76.0	23.2	12.5	19.0	-	-	-
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90.2	22	65.0	1	88.4	71.3	81.1	22.0	8.0	17.1	-	-	-
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91.0	22	71.0	22	87.6	74.1	80.9	20.0	9.0	13.5	-	-	-
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92.5	March 31	62.0	Sept. 23, 30	85.4	70.6	78.1	25.5	2.0	14.8	-	-	-

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT VICTORIA GARDENS, ZANZIBAR, 1949.

Lat.: 6° 10'S Long.: 39° 11'E Alt.: 18 feet Standard Time 3h 00m East Refenence Number 96.39/12.

Month	Atmospheric Pressure @		Temperature				Vapour Pressure		Saturation Deficit		Relative Humidity		Total Cloud Amt.		Number of occasions at 8.30h of Cloud Amounts					Rainfall				Number of Days of	
	h	h	Dry Bulb		Dew Point		h	h	h	h	h	h	h	h						Total		Max.Fall			
	8.30	14.30	8.30	14.30	8.30	14.30	8.30	14.30	8.30	14.30	8.30	14.30	8.30	14.30	0	1-2	3-5	6-7	8	mm.	ins.	in 24hrs	Date	Rain	Thun-der.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%										ins.			
January	-	-	81.4	86.3	75.4	75.2	.889	.883	.192	.384	83	70	4.5	4.9	0	9	9	7	6	50.3	1.98	0.86	29	9	0
February	-	-	81.7	88.4	75.4	76.8	.889	.930	.204	.425	81	69	4.9	5.6	0	6	7	7	8	16.8	0.66	0.39	10	3	0
March	-	-	83.3	88.6	76.7	76.8	.930	.930	.222	.434	81	68	3.9	4.2	0	10	12	7	2	75.7	2.98	1.89	28	6	0
April	-	-	80.7	85.4	76.6	76.4	.924	.918	.133	.310	87	75	5.8	5.3	0	2	7	15	6	186.7	7.35	2.79	11	20	0
May	-	-	79.3	84.8	75.7	74.6	.898	.865	.112	.343	89	72	4.8	4.0	1	8	7	10	5	164.6	6.48	1.96	6	12	0
June	-	-	76.6	83.4	72.4	71.1	.803	.771	.121	.384	87	67	5.8	4.7	1	2	7	14	6	53.8	2.12	0.63	23	7	0
July	-	-	75.3	82.1	71.7	71.3	.786	.777	.100	.331	89	70	5.7	5.5	0	3	7	16	5	103.1	4.06	2.65	10	11	0
August	-	-	75.2	83.4	71.2	71.2	.774	.774	.109	.381	88	67	5.5	4.5	0	3	11	15	2	29.2	1.15	0.38	13	12	0
September	-	-	76.0	83.4	71.8	70.5	.788	.753	.118	.402	87	65	4.7	4.0	0	5	11	14	0	60.7	2.39	0.74	6	9	0
October	-	-	78.9	85.3	72.5	71.4	.809	.777	.189	.452	81	68	-	-	-	-	-	-	-	44.4	1.75	-	-	5	-
November	-	-	81.9	86.9	74.5	74.5	.862	.862	.239	.428	78	67	-	-	-	-	-	-	-	39.1	1.54	0.68	16	6	-
December	-	-	82.4	87.8	75.7	74.4	.898	.859	.219	.470	80	65	-	-	-	-	-	-	-	103.6	4.08	1.58	22	11	-
Year	-	-	79.4	85.5	74.1	73.7	.854	.841	.163	.395	84	69	-	-	-	-	-	-	-	928.0	36.54	2.79	Apr. 11	111	-

@ At station level: corrected for temperature and to standard gravity.

Month	Frequency of Wind Direction at 8.30h								Calm	Frequency of Wind Force at 8.30h			Mean Wind Velocity		Extremes of Temperature of the Air.										Frequency of Visibility at 8.30		
	N	NE	E	SE	S	SW	W	NW		1-3	4-7	>7	h 8.30	h 14.30	Max.	Date	Min.	Date	Mean Max.	Mean Min.	½Max +Min	Range Max.	Range Min.	Range Mean	Fog	Mist	Good Vis.
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.	F.			
January	-	-	-	-	-	-	-	-	6	23	2	0	6	7	92.4	28	73.2	14	88.2	75.5	81.9	16.4	2.6	12.7	0	0	31
February	-	-	-	-	-	-	-	-	14	14	0	0	2	6	94.6	25	73.6	13	90.6	76.4	83.5	16.8	6.8	14.2	0	0	28
March	-	-	-	-	-	-	-	-	16	14	1	0	2	3	96.0	12	74.0	17	91.4	76.5	83.9	19.3	10.5	14.9	0	0	31
April	-	-	-	-	-	-	-	-	19	11	0	0	1	5	92.7	5	73.2	23	87.3	76.4	81.9	15.7	5.0	10.9	0	0	30
May	-	-	-	-	-	-	-	-	12	18	1	0	3	5	89.0	2	72.7	7	85.6	75.6	80.6	12.8	5.5	10.1	0	0	31
June	-	-	-	-	-	-	-	-	7	22	1	0	5	7	87.2	9	70.4	17	84.4	73.6	79.0	14.6	6.5	10.8	0	0	30
July	-	-	-	-	-	-	-	-	9	22	0	0	3	6	85.6	5	68.4	21	83.2	72.2	77.7	15.2	6.1	11.0	0	0	31
August	-	-	-	-	-	-	-	-	18	13	0	0	1	3	87.6	27	65.4	21	84.7	69.9	77.3	21.6	10.2	14.8	0	0	31
September	-	-	-	-	-	-	-	-	13	17	0	0	2	2	89.0	29	66.4	23	85.1	69.8	77.5	22.2	7.5	15.4	0	0	30
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90.5	28	68.0	18	87.2	70.6	78.9	21.5	11.4	16.6	-	-	-
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93.6	30	69.5	1	89.2	73.4	81.3	20.3	12.6	15.8	-	-	-
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92.7	14	73.0	17,19	89.9	75.5	82.7	18.7	5.8	14.3	-	-	-
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96.0	Mar. 12	65.4	Aug. 21	87.2	73.8	80.5	22.2	2.6	13.4	-	-	-

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT WETE, PEMBA, 1949.

Lat.: 5°04'S Long.: 39°43'E Alt.: 60 ft. Standard Time 3h 00m East. Ref. No. 95.39/0

Month	Atmospheric Pressure		Temperature				Vapour Pressure		Saturation Deficit		Relative Humidity		Total Cloud Amt.		Number of Occasions at 8.30h of Cloud Amounts					Rainfall				Number of days of	
	h 8.30	h 14.30	Dry Bulb 8.30	Dry Bulb 14.30	Dew Point 8.30	Dew Point 14.30	h 8.30	h 14.30	h 8.30	h 14.30	h 8.30	h 14.30	h 8.30	h 14.30	0	1-2	3-5	6-7	8	Total mm.	Total ins.	Max. Fall in 24hrs. ins.	Date	Rain	Thunder
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%													
January	-	-	81.7	-	75.2	-	.883	-	.210	-	80	-	5.5	-	0	2	15	12	2	46.5	1.83	1.46	14	5	0
February	-	-	81.6	-	75.3	-	.886	-	.204	-	81	-	4.6	-	0	4	15	9	0	78.7	3.10	2.70	12	3	0
March	-	-	83.3	-	75.4	-	.889	-	.263	-	77	-	3.0	-	0	16	11	4	0	7.1	0.28	0.14	18	5	0
April	-	-	80.8	-	75.8	-	.898	-	.165	-	85	-	5.5	-	0	5	7	12	6	420.4	16.55	3.85	11	23	2
May	-	-	80.5	-	75.7	-	.898	-	.154	-	85	-	4.3	-	0	9	13	9	0	201.9	7.95	1.53	23	18	0
June	-	-	78.7	-	73.4	-	.833	-	.157	-	84	-	3.8	-	0	13	8	7	2	20.6	0.81	0.36	15	9	0
July	-	-	75.9	-	72.2	-	.797	-	.106	-	89	-	4.7	-	0	8	11	6	6	137.4	5.41	1.27	15	15	0
August	-	-	76.0	-	71.4	-	.777	-	.130	-	86	-	5.0	-	0	8	8	9	6	82.8	3.26	0.63	2	15	0
September	-	-	78.5	-	71.6	-	.783	-	.204	-	80	-	5.6	-	0	0	13	16	1	32.0	1.26	0.53	25	9	0
October	-	-	81.0	-	72.3	-	.797	-	.272	-	75	-	5.6	-	0	2	8	20	1	3.8	0.15	0.13	27	2	0
November	-	-	82.6	-	74.3	-	.856	-	.269	-	76	-	5.9	-	0	0	5	25	0	18.5	0.73	0.29	23	5	0
December	-	-	82.1	-	75.3	-	.886	-	.222	-	80	-	5.8	-	0	0	17	8	6	97.3	3.83	0.65	31	16	1
Year	-	-	80.2	-	74.0	-	.849	-	.195	-	81	-	4.9	-	0	67	131	137	30	1147.0	45.16	3.85	Apr. 11	125	3

@ At Station level: corrected for Temporature and to standard gravity.

Month	Frequency of Wind Directions at 8.30h								Calm	Frequency of Wind Force at 8.30			Mean Wind Velocity		Extremes of Temporature of the Air.										Frequency of Visibility at 8.30		
	N	NE	E	SE	S	SW	W	NW		1-3	4-7	>7	h 8.30	h 14.30	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Mean Max + Min	Range Max.	Range Min.	Range Mean	Fog	Mist	Good Vis.
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.	F.			
January	0	0	13	0	0	0	2	14	2	29	0	0	3	-	88.5	31	77.6	10	85.8	74.1	79.9	16.5	3.7	11.7	0	3	28
February	4	0	7	0	0	11	1	1	4	24	0	0	4	-	89.0	27	72.0	13,22	87.6	74.3	80.9	15.8	10.2	13.2	0	2	26
March	17	0	0	0	0	0	0	4	10	21	0	0	3	-	92.0	29	72.5	17	89.2	74.4	81.8	19.0	12.0	14.8	0	0	31
April	0	0	0	9	3	0	0	5	13	17	0	0	2	-	89.5	5	72.0	13	86.7	74.6	80.7	15.7	1.4	12.2	0	6	24
May	0	0	0	22	0	0	0	0	9	22	0	0	3	-	89.4	15	69.0	31	85.9	73.3	79.6	16.9	7.4	12.6	0	1	30
June	0	0	0	18	6	0	0	0	6	24	0	0	3	-	86.7	10	68.4	22	84.8	71.4	78.1	15.8	9.3	13.5	0	0	30
July	0	0	0	14	0	0	0	0	17	14	0	0	1	-	85.1	5	66.0	30	82.9	69.2	76.1	16.8	6.4	13.7	0	5	26
August	0	0	2	20	1	0	0	0	8	23	0	0	2	-	84.3	12,26	65.2	22	82.1	67.7	74.9	18.5	6.8	14.4	0	5	26
September	0	0	7	17	0	0	0	0	6	24	0	0	2	-	85.7	17	65.0	23	83.8	68.5	76.1	19.3	10.8	15.3	0	3	27
October	0	0	11	14	3	0	1	1	1	30	0	0	3	-	89.3	14	66.6	18	86.8	69.5	78.1	20.7	12.7	17.3	0	2	29
November	17	6	2	4	0	0	0	0	1	29	0	0	2	-	90.3	21	70.0	3	87.9	72.5	80.2	19.2	11.8	15.4	0	0	30
December	15	3	0	0	0	0	0	7	6	25	0	0	2	-	89.8	1	70.0	20	86.6	74.4	80.5	15.9	7.2	12.3	0	9	22
Year	53	9	42	118	13	11	4	32	83	282	0	0	3	-	92.0	March 29	65.0	Sept. 23	85.8	72.0	78.9	20.7	1.4	13.9	0	36	329